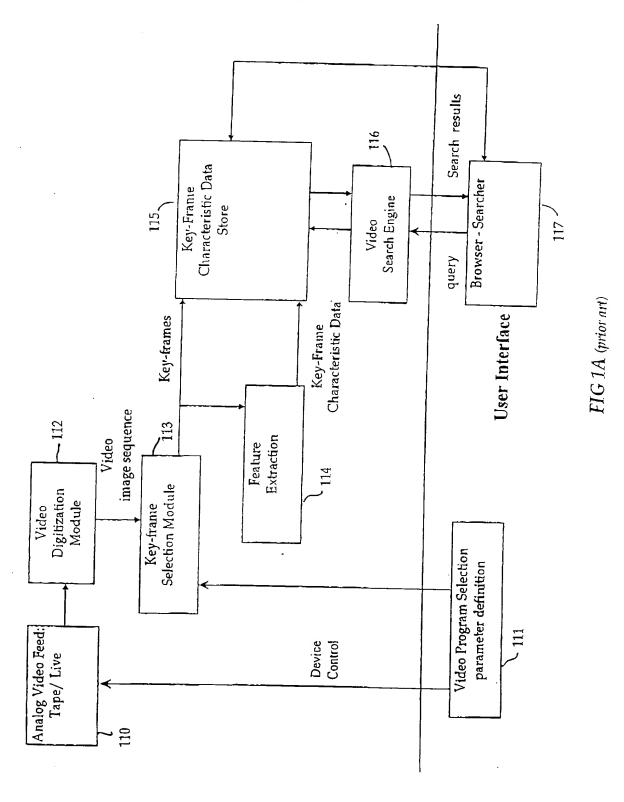
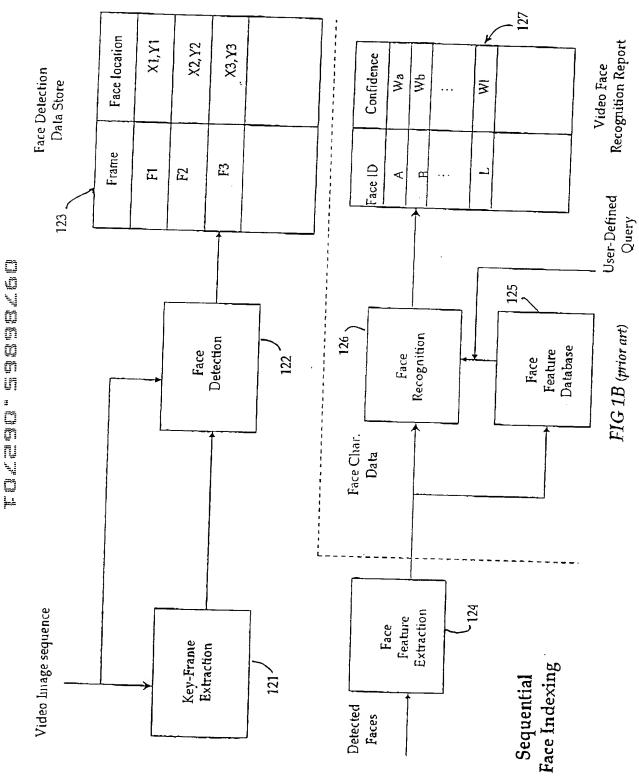
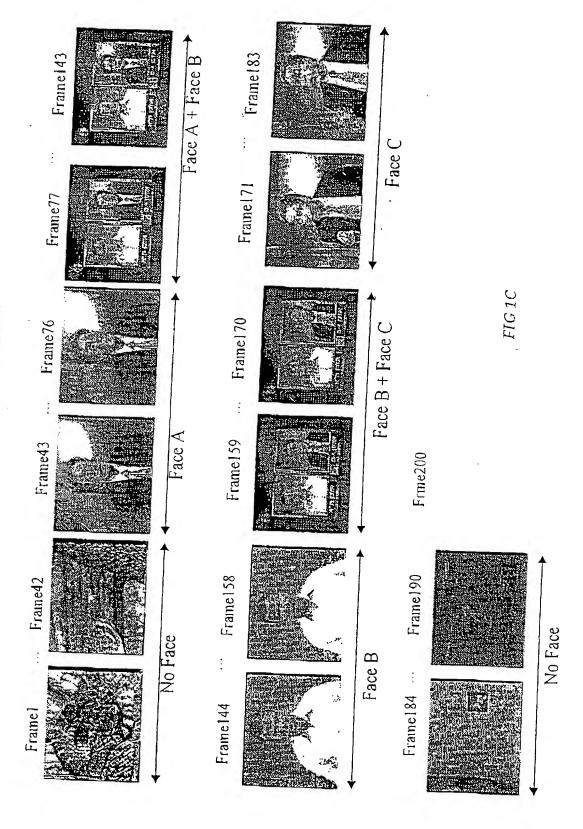
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Bounding Rectangle	- N	:	۸_ ۸_	R_K+1	:	R_n	R_n+1	R_s	::
Frame Index	Frame 43	:	Franse 76	Frame 77	France 77	Frame 78	:	Frame 143	:
Face Instance	1_1	:	1_33	1_34	1_35	1_36	:	1_198	÷

FIG 2

## 5/20 Annotation 280 Video 270 Browsing Commands & Image Flow Editor/Annotator Face Index Browser - Searcher Video Face Search Engine Face Index 250 260 L User Interface Indexing data image sequence Video 220 Video Digitization Module Face Indexing Module Video Program Selection & parameter definition 230 Analog Video Feed: Tape/ Live Device Control

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Label	Face Track	Frame Index	Face Track Face Coord. Charac	Face Charac Views	Face Frontal Views	Face Charac. data	Audio Charac Data	Annotation (charac in text,
	1	(Fs,Fe)	(X(Fs),X	(c)	(F)	(Fg,Ff,Fu)	(Fa)	keywords)
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F2								

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Start Frame Fs  End France Face Track Coordinates  \$\overline{X} \in \tilde{K} \in \ti
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Face Track Structure

	T-				_	Υ –				_	_		_
Appolation	Bob	Jod.	Bill; Opposition leader candidate		בייים מוניים	Bill: Opposition leader candidate		Bill; Opposition leader candidate		Smith; Labor party candidate		Smith; Labor party candidate	
:													
Bounding Rectangle Per face		:		<u>ج</u> ٰ		R_K+1		:		R		:	
Franse Index 43 - 76		77-143		77-143		144-158		159-170	159-170			171-183	
Face Track	Al	A2		Bı		B2 B3		83	1 0			C2	
Face Label	∢			В						Ç			

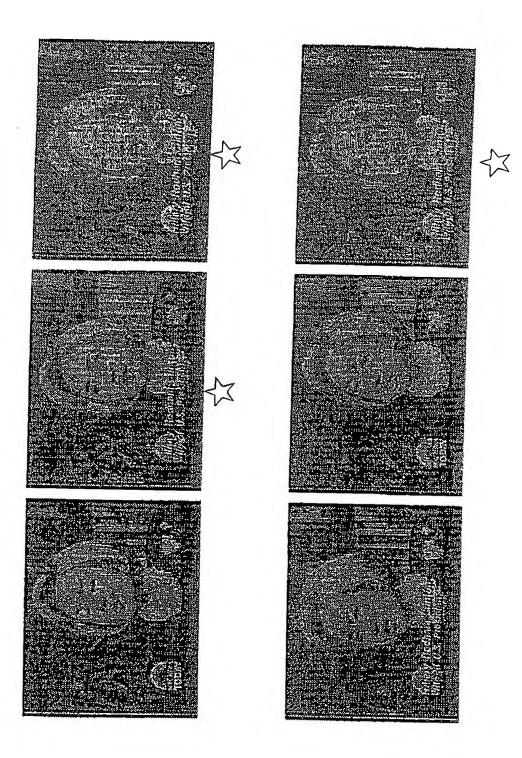
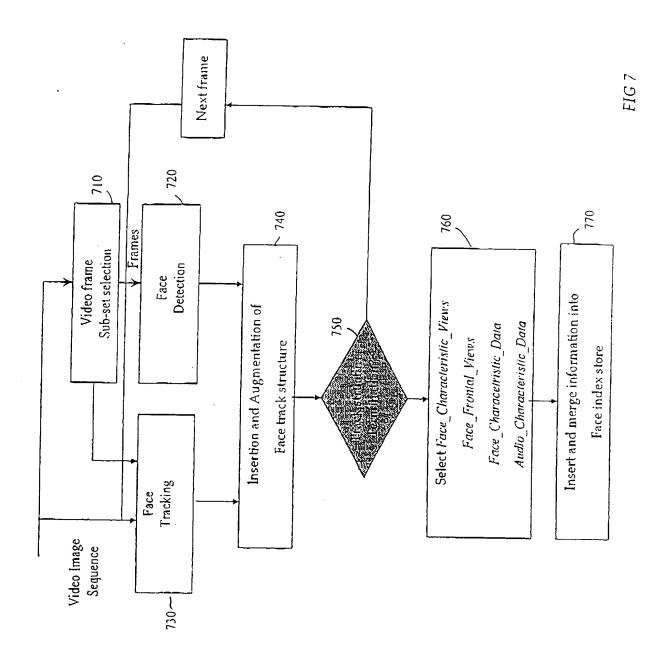
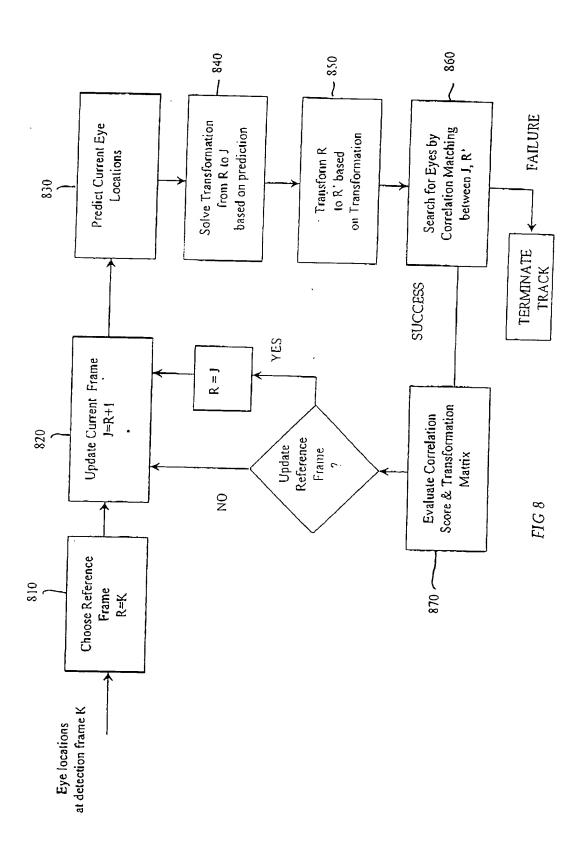
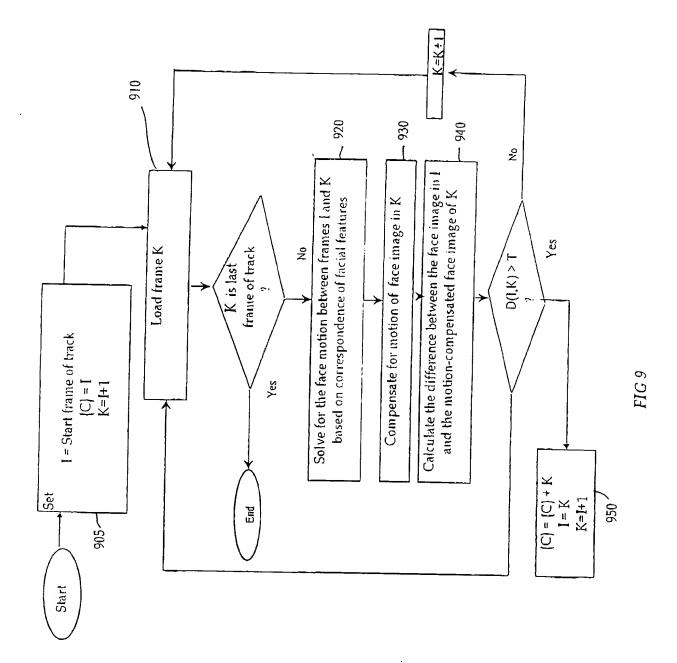
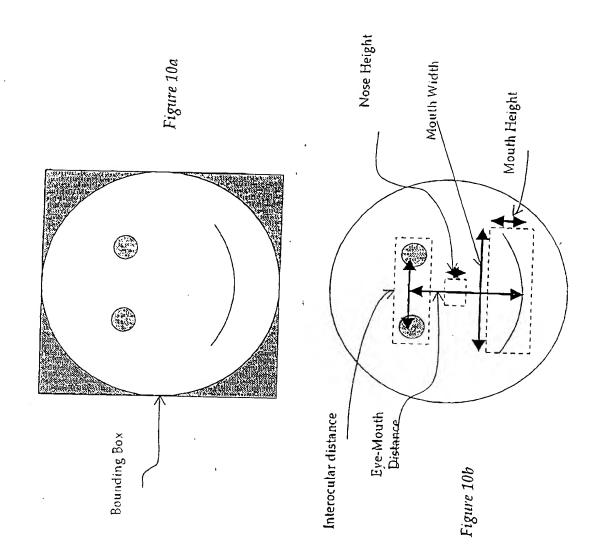


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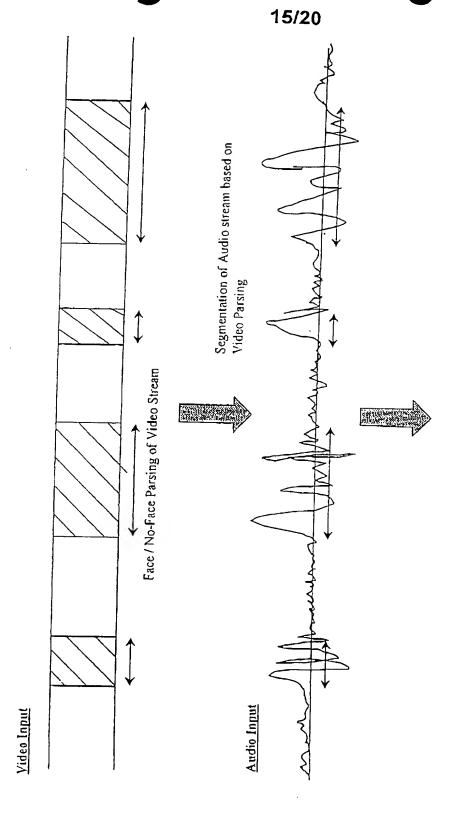




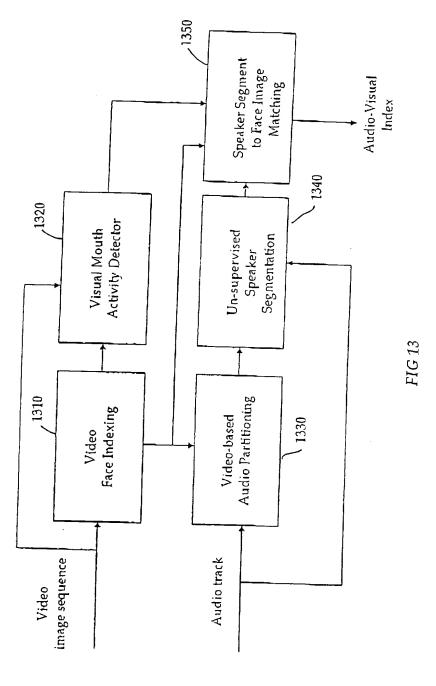




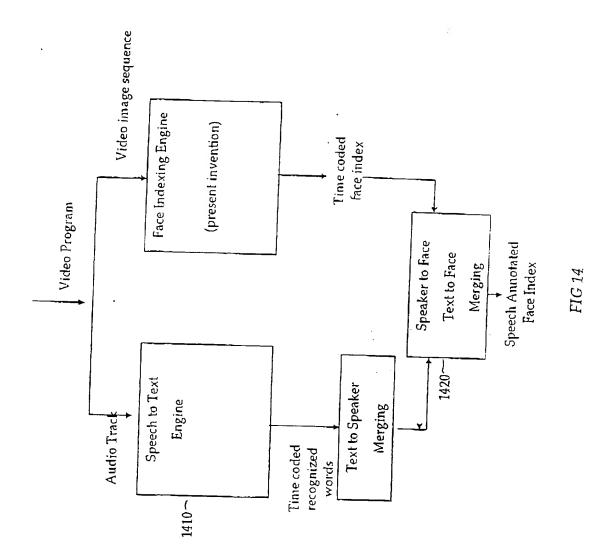
PCT/IL99/00487 14/20 nose Feature Templates Right eye Chin width chin Eu Conf. Left eye mouth Vertical projection: Eye-mouth (black, brown, orange, yellow, ...) Hair color 迁 Vertical projection: Conf. Fg Geometrical Features Eye-nose Face Templates Unique Features Yes/no poq F2 (between eye distance) Interocular distance Conf. eyeglasses Ę. 7 Ξ Fū: Yes/no



Extraction of Audio Characteristic Data



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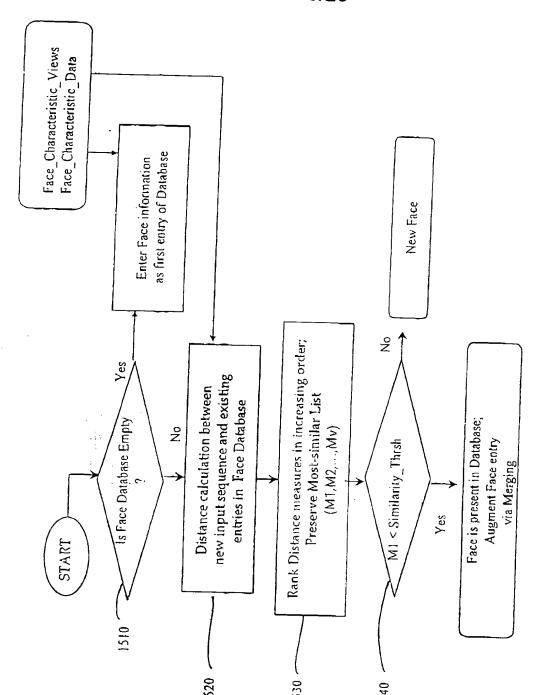


FIG 1

PCT/1L99/00487

